

Converting Colors

XYZ(28.9101, 47.3949, 18.6780)

Have a look what the booklet for
XYZ(28.9101, 47.3949, 18.6780)
contains.

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Color

**XYZ(28.9019, 47.4200,
18.6960)**

Conversions

Conversions Part 1

Format	Color
Hex	5FCE60
RGB	95, 206, 96
RGB Percent	37%, 81%, 38%
CMY	0.6274, 0.1921, 0.6235
CMYK	0.54, 0.00, 0.53, 0.19
HSL	121°, 53%, 59%
HSV	121°, 54%, 81%
XYZ	28.9019, 47.4200, 18.6960
YIQ	160.2710, -30.8460, -57.7420

Conversions

Conversions Part 2

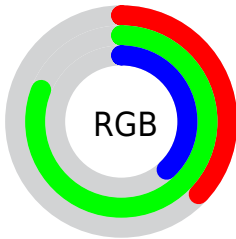
Format	Color
RYB	95, 205, 206
Decimal	6278752
CIELab	74.46, -53.68, 44.80
CIELCh	74, 69.915, 140.151
Yxy	47.4200, 0.3042, 0.4991
Android (android.graphics.Color)	4284468832 (0xFF5FCE60)
YUV	160.2710, -31.6856, -57.2427
Hunter-Lab	68.8622, -45.5912, 32.1064

Details

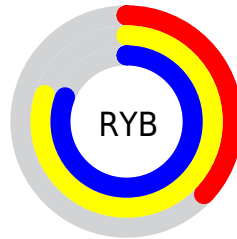
The XYZ color **28.9019, 47.4200, 18.6960** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted spring green. A complement of this color would be **40.5665, 25.7147, 60.5838**, and the grayscale version is **33.6916, 35.4462, 38.6009**.

A 20% lighter version of the original color is **54.3217, 80.4622, 41.1015**, and **11.9663, 22.5423, 6.2030** is the 20% darker color. If you saturate the color by 10%, you get **26.2174, 46.1324, 14.2854**, and if you desaturate by 10%, it is **32.3985, 49.1009, 24.4204**.

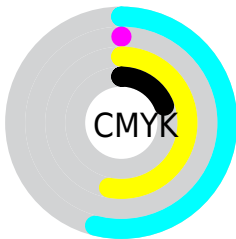
Distribution



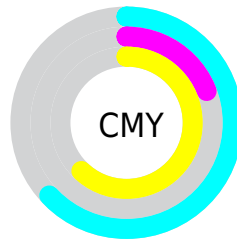
- Red (37%)
- Green (81%)
- Blue (38%)



- Red (37%)
- Yellow (80%)
- Blue (81%)



- Cyan (54%)
- Magenta (0%)
- Yellow (53%)
- Black (19%)



- Cyan (63%)
- Magenta (19%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9019, 47.4200, 18.6960 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 28.9019, 47.4200, 18.6960 by changing the saturation by 10% instead.

■ 28.9019, 47.4200,
18.6960

■ 28.9019, 47.4200,
18.6960

288.7544,
376.4885, 257.1319

■ 19.1505, 33.3678,
11.2762

■ 57.3198, 86.3402,
42.0496

■ 11.8838, 22.4084,
6.1365

■ 76.7171, 111.9770,
58.8205

■ 6.7362, 14.1573,
2.8581

■ 100.0604,
142.2442, 79.5456

■ 3.3425, 8.2301,
1.0226

■ 127.7150,
177.5260, 104.6433

■ 1.3374, 4.2426,
0.0000

160.0464,
218.2070, 134.5323

■ 0.2109, 1.8101,
0.0000

197.4198,

■ 0.0000, 0.4935,

264.6715, 169.6310

0.0000

240.2007,
317.3038, 210.3580

■ 0.0000, 0.0000,
0.0000

■ 28.9019, 47.4200,
18.6960

■ 28.9019, 47.4200,
18.6960

■ 26.2174, 46.1324,
14.2854

■ 32.3985, 49.1009,
24.4204

■ 24.2766, 45.2007,
11.0815

■ 36.7616, 51.1969,
31.5481

■ 23.0057, 44.5910,
8.9659

■ 42.0450, 53.7354,
40.1645

■ 22.3140, 44.2597,
7.7948

■ 48.2972, 56.7396,
50.3472

■ 22.0824, 44.1486,
7.4111

■ 55.5632, 60.2312,
62.1685

■ 63.8853, 64.2306,
75.6963

■ 73.3032, 68.7569,
90.9944

■ 81.3622, 72.6245,
104.3374

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.2239, 47.4200, 10.0303



28.9019, 47.4200, 18.6960



25.1548, 47.4200, 40.6428

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



28.9019, 47.4200, 18.6960



41.0501, 47.4200, 154.7124



71.8793, 47.4200, 31.2150

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



28.9019, 47.4200, 18.6960



40.5665, 25.7147, 60.5838

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.4285, 47.4200, 64.4431



28.9019, 47.4200, 18.6960



53.9506, 47.4200, 148.1011

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



28.9019, 47.4200, 18.6960



31.2523, 47.4200, 125.3948



66.3658, 47.4200, 110.1290



62.4603, 47.4200, 14.5648

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



28.9019, 47.4200, 18.6960



25.1699, 47.4200, 64.8632



66.3658, 47.4200, 110.1290



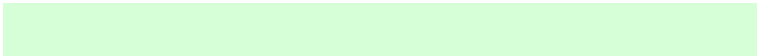
73.3977, 47.4200, 40.3353

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



28.9031, 47.4220, 18.6971



75.7603, 90.7304, 77.5194



49.5925, 58.0931, 19.4259



15.7523, 19.1973, 15.8375



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.9031, 47.4220, 18.6971



41.7813, 74.4072, 22.0003



32.3372, 48.7956, 36.7808



11.0721, 12.5386, 11.9371



13.5990, 27.1849, 4.5735



0.7030, 1.4030, 0.2437

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



40.5665, 25.7147, 60.5838



62.6431, 35.5704, 96.9133



35.0925, 23.5251, 31.7578



11.6830, 11.4019, 14.1315



22.3972, 10.7695, 36.1401



1.1569, 0.5562, 1.8720

Previews

White Background



This preview shows how the XYZ color 28.9019, 47.4200, 18.6960 looks on a white background.

Color Contrast Check

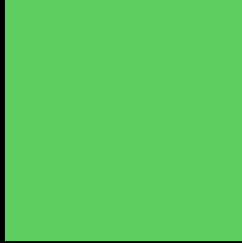
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 28.9019, 47.4200, 18.6960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

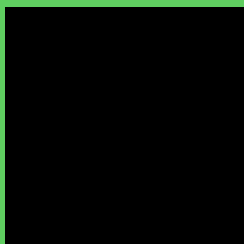
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.9019, 47.4200, 18.6960

Background



This preview shows how black text looks on a background with the XYZ color 28.9019, 47.4200, 18.6960.



This preview shows how white text looks on a background with the XYZ color 28.9019, 47.4200,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

28.9019, 47.4200, 18.6960

Protanopia

42.5768, 46.5780, 15.9789

Deuteranopia

47.3122, 46.2792, 19.8038



Tritanopia

38.6856, 47.2520, 67.4032

Trichromacy



Original Color

28.9019, 47.4200, 18.6960



Protanomaly

35.4194, 45.6983, 16.8514



Deuteranomaly

37.4264, 44.7712, 19.2395



Tritanomaly

33.9441, 46.6601, 44.2630

Monochromacy



Original Color

28.9019, 47.4200, 18.6960



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

30.3908, 38.4847, 29.4934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9019, 47.4200, 18.6960 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(95, 206, 96)` looks like.

```
.text, #text, p{  
    color:rgb(95, 206, 96)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(95, 206, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 206, 96) }
```

Border

The CSS property to change the border of an element to XYZ 28.9019, 47.4200, 18.6960 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(95, 206, 96) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(95, 206, 96) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(95, 206, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 206, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 206, 96);  
box-shadow:4px 4px 4px 4px rgb(95, 206,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9019, 47.4200, 18.6960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 206, 96) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(95, 206,  
96) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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